

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently amended) A method of processing a transaction that requires a plurality of resources, the method comprising:

requesting preparation of a first resource required by the transaction, wherein the transaction is automatically processed by a computer using a plurality of resources;

requesting preparation of a second resource required by the transaction before receiving a preparation response from the first resource;

receiving a preparation response for each of the first and second resources;

replying to a requester based on the preparation responses, the reply including a transaction result that indicates one of: a success or failure of processing the transaction; and

requesting, after the replying, one of: a commitment or a roll back of each resource based on the preparation responses.

2. (Canceled)

3. (Previously presented) The method of claim 1, further comprising logging a preparation result for the transaction based on the preparation responses.

4. (Previously presented) The method of claim 1, further comprising receiving a transaction request from the requester.

5. (Previously presented) The method of claim 1, wherein a unique resource thread implements the requests for each resource.

6. (Previously presented) The method of claim 1, further comprising simultaneously waiting for one of: a commitment response or a roll back response for each resource.

Claims 7-8 (Canceled)

9. (Currently amended) A method of processing a transaction, the method comprising:
concurrently preparing a plurality of resources for the transaction, the preparing including performing a set of operations on each of the plurality of resources based on the transaction;

waiting for a preparation response for each of the plurality of resources;

replying to a requester after receiving the preparation responses, the reply including a transaction result that indicates one of: a success or failure of processing the transaction; and

concurrently committing the plurality of resources to make the operations of the transaction permanent, wherein the committing is performed after the replying.

10. (Previously presented) The method of claim 9, further comprising receiving a transaction request from the requester.

11. (Canceled)

12. (Original) The method of claim 9, further comprising logging a preparation result for the transaction based on the preparation response for each of the plurality of resources.

13. (Currently amended) A ~~computer~~ system for processing a transaction that requires a plurality of resources, the ~~computer~~ system including at least one computer comprising:

a reception system for receiving a transaction request from a requester;

a preparation system for concurrently preparing the plurality of resources for the transaction, the preparing including performing a set of operations on each of the plurality of resources based on the transaction;

a reply system for replying to the requester based on a preparation response for at least one of the plurality of resources, the reply including a transaction result that indicates one of: a success or failure of processing the transaction; and

a commitment system for committing or rolling back the plurality of resources based on the at least one preparation response, wherein the reply system is configured to reply prior to completion of the committing or rolling back.

14. (Currently amended) The system of claim 13, the at least one computer further comprising a logging system for logging a preparation result for the transaction based on a preparation response for each of the plurality of resources.

15. (Previously presented) The system of claim 13, wherein the commitment system concurrently commits or rolls back the plurality of resources.

16. (Canceled)

17. (Original) The system of claim 13, wherein the preparation system creates a plurality of resource threads, and wherein each resource thread prepares a unique resource in the plurality of resources.

18. (Currently amended) A program product stored on a tangible recordable medium for processing a transaction, which when executed comprises:

program code for requesting preparation of a plurality of resources for the transaction, the preparation including performing a set of operations on each of the plurality of resources based on the transaction;

program code for simultaneously waiting for a preparation response for each of the plurality of resources;

program code for requesting at least one of: commitment or roll back of the plurality of resources based on at least one preparation response; and

program code for replying to a requester based on the at least one preparation response, the reply including a transaction result that indicates one of: a success or failure of processing the transaction, wherein the program code for replying is configured to reply prior to requesting the at least one of: commitment or roll back.

19. (Previously presented) The program product of claim 18, further comprising program code for receiving a transaction request from the requester.

20. (Original) The program product of claim 18, further comprising program code for logging a preparation result for the transaction based on the preparation response for each of the plurality of resources.

21. (Previously presented) The method of claim 1, wherein each request is performed using a non-blocking function call.

22. (Previously presented) The method of claim 5, further comprising retrieving the unique resource thread for each resource after receiving the corresponding preparation response.

23. (Previously presented) The method of claim 9, wherein at least one of: the concurrently preparing or concurrently committing is implemented using a unique resource thread for each resource.

24. (Previously presented) The method of claim 9, wherein at least one of: the concurrently preparing or concurrently committing is implemented using a non-blocking function call.

25. (Currently amended) The program product of claim 18, the program code for requesting preparation including program code for ~~starting~~ creating a resource thread for a resource, wherein the resource thread terminates after preparing the resource.